



REPLACEMENT ABSTRACT

A non-aqueous electrolyte battery comprises a cathode containing a cathode active material and a cathode substrate; an anode including an anode substrate and, as an anode active material, one or more thin film layer(s) containing a first metal that may be alloyed with lithium, the thin film layer(s) being formed by a thin film forming technique, the anode containing one or more of a second metal not alloyed with lithium, a third metal that may be alloyed with the second metal, a fourth metal not alloyed with the second metal, and a carbonaceous material capable of doping/undoping lithium ions; and a non-aqueous electrolyte containing an electrolyte salt. The anode substrate is a high molecular weight polymer including one or more of a sulfur-containing resin, a nitrogen-containing resin, polyester, cellulose triacetate, ~~Mylar~~ MYLAR, and polycarbonate.